



Login:  Register

Home Browse Search My Settings Alerts Help

Quick Search Title, abstract, keywords  Author  e.g.

search tips Journal/book title  Volume  Issue  Page

results 1 - 35

## 35 Articles Found

(TITLE-ABSTR-KEY(mammogram)) and gradient

= Full-text available  = Non-subscribed  What does this mean?

Article List  Full Abstracts

display checked docs

e-mail articles

export citations

Sort By:

1.  Gray-scale and geometric registration of full-field digital and film-screen mammograms • ARTICLE

*Medical Image Analysis, Volume 11, Issue 2, April 2007, Pages 146-156*

Peter R. Snoeren and Nico Karssemeijer

SummaryPlus | Full Text + Links | PDF (706 K)

2.  Improved Lesion Detection in MR Mammography: Three-Dimensional Segmentation, Moving Voxel Sampling, and Normalized Maximum Intensity-Time Ratio Entropy • ARTICLE

*Academic Radiology, Volume 14, Issue 2, February 2007, Pages 151-161*

Gökhan Ertas, H. Özcan Gülcür and Mehtap Tunaci

SummaryPlus | Full Text + Links | PDF (631 K)

3.  Multiresolution mammogram analysis in multilevel decomposition • SHORT COMMUNICATION

*Pattern Recognition Letters, Volume 28, Issue 2, 15 January 2007, Pages 286-292*

Essam A. Rashed, Ismail A. Ismail and Sherif I. Zaki

SummaryPlus | Full Text + Links | PDF (434 K)

4.  A review of computer-aided diagnosis of breast cancer: Toward the detection of subtle signs • ARTICLE

*Journal of the Franklin Institute, In Press, Corrected Proof, Available online 6 December 2006,*

Rangaraj M. Rangayyan, Fábio J. Ayres and J.E. Leo Desautels  
SummaryPlus | Full Text + Links | PDF (2015 K)

5.  Knowledge-discovery incorporated evolutionary search for microcalcification detection in breast cancer diagnosis • ARTICLE

*Artificial Intelligence in Medicine, Volume 37, Issue 1, May 2006, Pages 43-53*

Yonghong Peng, Bin Yao and Jianmin Jiang  
SummaryPlus | Full Text + Links | PDF (483 K)


[Home](#) | [Login](#) | [Logout](#) | [Access Information](#) | [Alerts](#) |

Welcome United States Patent and Trademark Office

 [Search Results](#)[BROWSE](#)[SEARCH](#)[IEEE Xplore GUIDE](#)

Results for "( ( mammogram&lt;in&gt;metadata ) &lt;and&gt; ( sub&lt;in&gt;metadata ) )&lt;and&gt; ( image&lt;in&gt;meta..."

 [e-mail](#)

Your search matched 18 of 1527266 documents.

A maximum of 100 results are displayed, 25 to a page, sorted by **Relevance in Descending order**.» **Search Options**[View Session History](#)[New Search](#)

## Modify Search

 Check to search only within this results setDisplay Format:  Citation  Citation & Abstract» **Key**

IEEE JNL IEEE Journal or Magazine

 [Select All](#) [Deselect All](#)

IET JNL IET Journal or Magazine

1. Computerized analysis of multiple-mammographic views: potential usefulness of view mammograms in computer-aided diagnosis  
 Zhimin Huo; Giger, M.L.; Vyborny, C.J.;  
Medical Imaging, IEEE Transactions on  
 Volume 20, Issue 12, Dec. 2001 Page(s):1285 - 1292  
 Digital Object Identifier 10.1109/42.974923

[AbstractPlus](#) | [References](#) | [Full Text: PDF\(187 KB\)](#) IEEE JNL  
[Rights and Permissions](#)

2. Wavelet transforms for detecting microcalcifications in mammography  
 Strickland, R.N.; Hee Il Hahn;  
Image Processing, 1994. Proceedings. ICIP-94.. IEEE International Conference on  
 Volume 1, 13-16 Nov. 1994 Page(s):402 - 406 vol.1  
 Digital Object Identifier 10.1109/ICIP.1994.413344

[AbstractPlus](#) | [Full Text: PDF\(400 KB\)](#) IEEE CNF

[Rights and Permissions](#)

3. Detection of calcifications in digital mammograms using wavelet analysis and enhancement  
 Salvado, J.; Roque, B.;  
Intelligent Signal Processing, 2005 IEEE International Workshop on  
 1-3 Sept. 2005 Page(s):200 - 205  
 Digital Object Identifier 10.1109/WISP.2005.1531658

[AbstractPlus](#) | [Full Text: PDF\(1456 KB\)](#) IEEE CNF  
[Rights and Permissions](#)

4. Detection of calcifications in mammography using wavelets  
 Al-qdah, M.; Ramli, A.R.; Wirza, R.; Mahmud, R.; Taysir, M.;  
Research and Development, 2003. SCORED 2003. Proceedings. Student Conference  
 25-26 Aug. 2003 Page(s):74 - 77  
 Digital Object Identifier 10.1109/SCORED.2003.1459667

[AbstractPlus](#) | [Full Text: PDF\(249 KB\)](#) IEEE CNF

[Rights and Permissions](#)

5. Fast detection of masses in computer-aided mammography  
 Christoyianni, I.; Dermatas, E.; Kokkinakis, G.;  
Signal Processing Magazine, IEEE  
 Volume 17, Issue 1, Jan. 2000 Page(s):54 - 64


[SPIE DL home](#) | [Scitation home](#) | [Search SPIN](#) | [help](#) | [contact](#) |
[SPIE Digital Library](#)[Proceedings](#)[Journals](#)

## SPIE—The International Society for Optical Engineering

[Home](#) » [Advanced Search](#) » [Search Results](#)
[My SPIE Subscription](#) | [My E-mail Alerts](#) | [My Account](#)

SEARCH DIGITAL LIBRARY

[\[Back to Search Query\]](#) | [Start New Search](#) | [Searching Hints](#)

[Advanced Search](#)

BROWSE PROCEEDINGS

[Proceedings](#)

- [By Year](#)
- [By Symposium](#)
- [By Volume No.](#)
- [By Volume Title](#)
- [By Technology](#)

BROWSE JOURNALS

[Journals](#)

- [Optical Engineering](#)
- [J. Electronic Imaging](#)
- [J. Biomedical Optics](#)
- [J. Micro/Nanolithography, MEMS, and MOEMS](#)
- [J. Applied Remote Sensing](#)
- [J. Nanophotonics](#)

SUBSCRIPTIONS &amp; PRICING

- [Institutions & Corporations](#)
- [Personal subscriptions](#)

GENERAL INFORMATION

- [About the Digital Library](#)
- [Terms of Use](#)
- [SPIE Home](#)

### Search Results

You were searching for : (((mammogram <IN> abstract <OR> mammogram <IN> mammogram <IN> keywords) <and>(sub <IN> abstract <OR> sub <IN> title <IN> keywords)) <and>(image <IN> abstract <OR> image <IN> title <OR> image <IN> keywords))  
 [Refine your query](#) [\[?\]](#)

You found 43 out of 235717 (43 returned)  
 Documents 1 - 25 listed on this page

*Refine your query if desired:*

AND

in

#### Results Sorting Options

[ Related SPIE Products ]

[ [1](#) | [2](#) | [Next 25](#) ]

**81%**

#### Content-based retrieval and analysis of mammographic masses

Hilary Alto, Rangaraj M. Rangayyan, and J. E. Leo Desautels  
*J. Electron. Imaging* **14**, 023016 (2005) **Full Text:** [ [HTML](#) (17 kB) ] (17 pages)

**81%**

#### Digital mammography: observer performance study of the pixel size on radiologists' characterization of malignant and benign microcalcifications

Heang-Ping Chan, Mark A. Helvie, Nicholas Petrick, Berkman Sait, D. Adler, Caroline E. Blane, Lynn K. Joyst, Chintana Paramagul, Roubidoux, Todd E. Wilson, Lubomir M. Hadjiiski, and Mitchell M. Levin  
*Proc. SPIE* **3659**, 394 (1999) **Full Text:** [ [PDF](#) (206 kB) ]

**79%**

#### Characterization of corresponding microcalcification clusters in temporal pairs of mammograms for interval change analysis: comparison of classifiers

Lubomir Hadjiiski, Douglas Drouillard, Heang-Ping Chan, Berkman Sait, Mark A. Helvie, Marilyn Roubidoux, and Chuan Zhou  
*Proc. SPIE* **6144**, 61445Q (2006) **Full Text:** [ [PDF](#) (98 kB) ]

**79%**

#### Classification of breast masses in mammograms using neural networks with shape, edge sharpness, and texture features

Túlio C. S. S. André and Rangaraj Mandayam Rangayyan